

**STATEMENT OF BASIS
Colonial Pipeline Company
Baton Rouge Junction
LPDES Permit LA0051144
AI NO. 27646**

Draft Modified Louisiana Pollutant Discharge Elimination System permit to discharge to waters of the State of Louisiana.

THE PERMITTEES ARE: Colonial Pipeline Company - Baton Rouge Junction involved with the transporting and storing of refined petroleum.

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 82135
Baton Rouge, Louisiana 70884-2135

PREPARED BY: Valerie Powe

DATE PREPARED: July 13, 2007

1. PERMIT STATUS

- A. Reason For Permit Action:
Major Modification of a Louisiana Pollutant Discharge Elimination System (LPDES) permit
- B. LPDES permit: LA0051144
LPDES permit effective date: October 1, 2003
LPDES permit expiration date: September 30, 2008
- C. Date Application Received: December 12, 2006

2. FACILITY INFORMATION

- A. FACILITY TYPE/ACTIVITY – refined petroleum pipeline with refined oil storage

Colonial Pipeline Company - Baton Rouge Junction is an existing facility that transports and stores refined petroleum product. This facility does not manufacture any products. The discharges from the facility are stormwater runoff, equipment washdown, fire system test, treated sanitary, and dewatering activities from the facility's premises, which has a total surface area of approximately 150 acres.

- B. FEE RATE

- 1. Fee Rating Facility Type: minor
- 2. Complexity Type: II
- 3. Wastewater Type: III
- 4. SIC code: 4613

- C. LOCATIONS – 1476 Highway 61 South, South of St. Francisville, East Feliciana Parish.

Latitude: 30° 43' 08" Longitude: 91° 16' 25"

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3. OUTFALL INFORMATION

Outfall 001

Discharge Type: Stormwater runoff, equipment washdown wastewater, dewatering, and fire system test water

Treatment: Oil/water separator

Location: at the point of discharge from the southeast corner of Retention Pond No. 1

(Latitude 30°42'36", Longitude 91°17'11")

Total Flow: Stormwater – 58,200 GPD (30.1 acres)

Equipment washdown water – 600 GPD

Fire system test water – 600 GPD

Dewatering wastewater – 600 GPD

Discharge Route: Mississippi River via Thompson Creek, Sandy Creek, Retention Pond No. 1, and an open ditch at facility

Outfall 002

Discharge Type: Stormwater runoff, equipment washdown wastewater, dewatering, and fire system test water

Treatment: Oil/water separator

Location: at the point of discharge from south side of Retention Pond No. 2 (Latitude 30°42'32", Longitude 91°17'03")

Flow: Stormwater - 29,100 GPD

Equipment washdown water – 300 GPD

Fire system test water – 300 GPD

Dewatering Wastewater – 300 GPD

Discharge Route: Mississippi River via Thompson Creek, Sandy Creek, Retention Pond No. 2 and an open ditch at facility

Outfall 102

Discharge Type: Sanitary Wastewater

Treatment: Sewage Treatment Plant

Location: at the point of discharge from treatment unit (Latitude 30° 42' 38", Longitude 91° 17' 01")

Flow: Intermittent 2,800 GPD

Discharge Route: Retention Pond No. 2

Outfall 003 Deleted

Outfall 006

Discharge Type: Stormwater runoff from laydown yard

Treatment: No treatment

Location: At the point of discharge behind the maintenance area on the north side of the facility

(Latitude 30°43'13", Longitude 91°16'35")

Flow: Stormwater – 22,690 GPD

Discharge Route: Mississippi River via unnamed Marsh Area and an open ditch at facility

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4. RECEIVING WATER

STREAM – Mississippi River via Thompson Creek, Sandy Creek, retention ponds, and an open ditch at facility (Outfalls 001, 002). Mississippi River via an unnamed marsh area, an unnamed ditch and an open ditch at the facility (Outfalls 004, 005, and 006)

BASIN AND SEGMENT – Mississippi River Basin, Segment 070502

DESIGNATED USES - 1. primary contact recreation
 2. secondary contact recreation
 3. propagation of fish and wildlife

5. PREVIOUS EFFLUENT LIMITATIONS

See Attachment A – current LPDES permit limits.

6. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale below.

7. COMPLIANCE HISTORY/COMMENTS

A DMR review revealed the following effluent violations for the monitoring period of October 2003 through July 2006:

<u>Date</u>	<u>Parameter</u>	<u>Outfall</u>	<u>Reported Value</u>	<u>Permit Limits</u>	<u>Exc.</u>
07-09/31/06	TSS	004	123 mg/L	5 mg/L	1
10-12/31/05	TSS	004	109 mg/L	45 mg/L	1
10-12/31/05	F.C.	004	>2,000 col/100ml	400 col/100ml	1
10-12/31/05	F.C.	005	880 col/100ml	400 col/100ml	1
07-12/31/04	BOD ₅	302	82.2 mg/L	45 mg/L	1
10-12/31/03	TSS	004	415 mg/L	45 mg/L	1

Spill Release:

A release occurred at the facility on April 20, 2003. A partially open ¼ inch ball valve used to collect samples from a tank stinging (water removal) system was releasing diesel fuel. An estimated 6.3 barrels of fuel oil was released during this incident

8. CHANGES FROM PREVIOUS PERMIT

- 1) The removal of Outfalls 003,
- 2) The addition of a new Outfall 006 for storm water discharge from the laydown yard,
- 3) The addition of dewatering activities in Outfalls 001 and 002 and currently discharged under General Permit LAG300003,
- 4) Lead and BTEX limits have been added to Outfalls 001 and 002, which discharges storm water equipment wash water, fire system test water, and dewatering, and
- 5) Outfall 302 in the previously issued LPDES permit will be renamed Outfall 102

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 070502 of the Mississippi River Basin, is listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS) as habitat for the *Pallid sturgeon*, which is listed as an endangered species. The LDEQ, as instructed by the FWS in a letter dated September 29, 2006, has sent this draft permit to the FWS for review and consultation. As set forth in the Memorandum of Understanding between the LDEQ and the FWS, the LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse affect upon the *Pallid sturgeon* since effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for discharges described in the proposed effluent attachment.

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12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the proposed issuance of LPDES individual permits and may request a public hearing to clarify issues involved. This Office's address is on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

The *Watchman* of Clinton, and

The Office of Environmental Services Public Notice Mailing List

13. STORM WATER DISCHARGES

In accordance with Louisiana Revised Statutes 2075 and 2076, a Part II condition is proposed for applicability to all storm water discharges from the facility, either through permitted outfalls or through outfalls, which are not listed in the permit or as sheet flow. The Part II condition requires a Storm Water Pollution Prevention Plan (SWP3) within six (6) months of the effective date of the final permit, along with other requirements. The conditions will be found in the draft permit. Including Best Management Practice (BMP) controls in the form of a SWP3 is consistent with other LPDES and EPA permits regulating similar discharges of storm water associated with industrial activity, as defined at 40 CFR 122.26(b)(14).

14. 303(d) ISSUES

The discharges from Outfalls 001, 002, 102, 004, 005, and 006 (stormwater runoff, equipment washdown wastewater, fire systems test water, sanitary wastewater, and dewatering wastewater) are to an open ditch at the facility, thence into Rentention Pond No. 1, thence into Sandy Creek, thence into Thompson Creek, and thence into the Mississippi River (Outfall 001); an open ditch at the facility, thence into Rentention Pond No. 2, thence into Sandy Creek, thence into Thompson Creek, and thence into the Mississippi River (Outfalls 002 and 102); an open ditch at the facility, thence into an unnamed ditch, thence into an unnamed marsh area, thence into the Mississippi River (Outfalls 004 and 005); and an open ditch at the facility, thence to an unnamed ditch; to an unnamed marsh area, and thence into the Mississippi River (Outfalls 006). These existing discharges are located within Segment No. 070502 (Mississippi River Basin), which is listed on the Water Quality Limited Streams 303(d) List as being impaired. The suspected cause of impairment is pathogen indicators. The target completion date for a Total Maximum Daily Loading (TMDL) assessment is March 31, 2010. The discharges from Outfalls 004 and 005 do have a potential to contribute to impairments cause by pathogen indicators. Therefore, the effluent limitations for fecal coliform proposed by the permit have been established to ensure that the integrity of the waterbody is maintained.

15. LAG3000003

Dewatering activities are currently discharged under LAG300003. Once a final permit has been issued LAG300003 will be terminated.

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RATIONALE

1. **Outfall 001** stormwater runoff, equipment washdown wastewater, fire systems test water, and dewatering wastewater (estimated flow is 60,000 GPD)

POLLUTANT	LIMITATION		MONITORING REQUIREMENTS		Reference
	MONTHLY AVG	DAILY MAX	MEASUREMENT FREQUENCY ¹	SAMPLE TYPE	
Flow (MGD)	---	Report	Quarterly	Estimate	Current Permit
TOC	---	50 mg/L	Quarterly	Grab	Current Permit
Oil & Grease	---	15 mg/L	Quarterly	Grab	Current Permit
Lead ³	---	50 µg/L	Quarterly	Grab	LAG30000
Total BTEX ^{2,3}	---	250 µg/L	Quarterly	Grab	LAG30000
pH	6 s.u.	9 s.u.	Quarterly	Grab	Current Permit

¹ For discharge of ballast water used in the installation of new tanks, provided NO ADDITIVES SUCH AS CORRSION INHIBITORS OR BIOCIDES have been added to the water to be discharged, and if approved by the appropriate regional office (see Part II.B), the permittee may **sample and run analysis for TOC, Oil & Grease, and pH at the time of discharge** (i.e. not prior to discharge). A flow measurement must be taken during the sampling event. All other reporting requirements in part I.C. and part II.B must be met.

² **BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, ortho-xylene, meta-xylene, and para-xylene.**

³ Not required for discharges from clean, new tanks. Value on DMR should be shown as NR (not required)

Monitoring Frequency: BPJ from current permit and permits issued with similar outfalls

Limits Justification: BPJ from current permit and permits issued with similar outfalls

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2. **Outfall 002** stormwater runoff, equipment washdown wastewater, dewatering, and fire systems test water (estimated flow is 39,100)

POLLUTANT	LIMITATION		MONITORING REQUIREMENTS ¹		Reference
	MONTHLY AVG	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	
Flow (MGD)	---	Report	Quarterly	Estimate	Current Permit
TOC	---	50 mg/L	Quarterly	Grab	Current Permit
Oil & Grease	---	15 mg/L	Quarterly	Grab	Current Permit
pH	6 s.u.	9 s.u.	Quarterly	Grab	Current Permit
Lead ³	---	50 µg/L	Quarterly	Grab	LAG30000
Total BTEX ^{2,3}	---	250 µg/L	Quarterly	Grab	LAG30000

¹ For discharge of ballast water used in the installation of new tanks, provided NO ADDITIVES SUCH AS CORROSION INHIBITORS OR BIOCIDES have been added to the water to be discharged, and if approved by the appropriate regional office (see Part II.B), the permittee may **sample and run analysis for TOC, Oil & Grease, and pH at the time of discharge** (i.e. not prior to discharge). A flow measurement must be taken during the sampling event. All other reporting requirements in part I.C. and part II.B must be met.

² **BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, ortho-xylene, meta-xylene, and para-xylene.**

³ Not required for discharges from clean, new tanks. Value on DMR should be shown as NR (not required)

Monitoring Frequency: BPJ from current permit and permits issued with similar outfalls

Limits Justification: BPJ from current permit and permits issued with similar outfalls

3. **Outfall 102** Sanitary Wastewater (estimated flow is 2,800 GPD)

POLLUTANT	LIMITATION		MONITORING REQUIREMENTS		Reference
	MONTHLY AVG	WEEKLY AVG	MEASUREMENT FREQUENCY	SAMPLE TYPE	
Flow (GPD)	---	---	Semiannually	Estimate	Current Permit
BOD ₅	---	45 mg/L	Semiannually	Grab	Current Permit
Fecal coliform (colonies/100 mL)	---	400	Semiannually	Grab	Current Permit
TSS	---	45 mg/L	Semiannually	Grab	Current Permit
pH	6 s.u.	9 s.u.	Semiannually	Grab	Current Permit

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Monitoring Frequency: BPJ from current permit

Limits Justification: BPJ from current permit

4. **Outfall 006** Stormwater runoff (estimated flow is 22,690 GPD)

POLLUTANT	LIMITATION		MONITORING REQUIREMENTS		Reference
	MONTHLY AVG	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	
Flow (GPD)	---	Report	Quarterly	Estimate	Stormwater Guidance
Oil & Grease	---	15 mg/L	Quarterly	Grab	Stormwater Guidance
TOC	---	50 mg/L	Quarterly	Grab	Stormwater Guidance
pH	6 s.u.	9 s.u.	Quarterly	Grab	Stormwater Guidance

Monitoring Frequency: BPJ; Stormwater Guidance

Limits Justification: BPJ; Stormwater Guidance

ATTACHMENT A